UNIVERSITY OF QUEENSLAND

Computer Centre

WEEKLY NEWSLETTER

Date : Week ended 9 September 1971
Authorization : Director of the Computer Centre

1. OPERATIONS

1.1 PDP-10 System

Friday	3 September	System failure, offline 1240-1300 Testing of new batch 1315-1743 System failure, offline 1420-1430.
Monday	6 September	System failure, offline 1304-1319 Testing of new batch 1330-1750.
Tuesday	7 September	Lister problem, offline 1245-1300 Testing of new batch 1300-1750.
Wednesday	8 September	End-of-day accounting procedures 1030-1103 Card reader maintenance 1130-1145 System failure, offline 1200-1215 Testing of new batch 1400-1720 System failure, offline 2210-2220.
Thursday	9 September	New batch processing in operation System failure, offline 1109-1126, 1333-1510, 1630-1636 Card reader maintenance, 1510-1844.

Schedule for forthcoming week: Maintenance 0700-0900, 2300-2400
Operations 1000-2215

1.2 GE-225 System

Monday 6 September Line printer maintenance 0950-1050

Schedule for forthcoming week: Maintenance 0700-0900, 2000-2130
Operations 0900-2000, 2130-2400

2. COMPUTER CLUB MEETING

The Computer Club will hold a meeting on Friday 18 September in Room B18 of the Engineering Building. The meeting will commence at 1.05 p.m.

3. PDP-10 FORTRAN

(a) When using free field input users should be careful not to use a mixture of delimiter characters between adjacent fields. Blanks or any non-standard character can be used as field delimiters, but combinations of these will result in input variables being set to zero as the input routines treat a change in delimiter character as a null field.

example:

The following program:

```
2     WRITE (6,1)
1     FORMAT (' 2 REAL & 2 INTS'/)
      READ (5,5) A,B,J,K
5     FORMAT (2F,2I)
      WRITE (6,1Ø) A,B,J,K
1Ø    FORMAT (' ',2F,2I)
      GO TO 2
      END
```

provides the following results:

```
 2 REAL + 2 INTS
 1.5Δ2.6Δ4Δ78
       1.5ØØØØØØ          2.6ØØØØØØ          4          78

 2 REAL + 2 INTS
 23.,5.6Δ7<tab>8Ø
      23.ØØØØØØØ          5.6ØØØØØØ          7          8Ø

 2 REAL + 2 INTS
 12.5Δ,Δ4.59ΔΔΔ3,2
      12.5ØØØØØØ          Ø.ØØØØØØØ          4          59

 2 REAL + 2 INTS
 ↑C
  .
```

(b) Users should beware of specifying constants as the arguments of a call to a routine when that routine involves the exchange of the values of its arguments.

example:

Main program -

```
      .
      .
      .
      .
      X = SOM (2.Ø,3.Ø,Z)
      .
      .
      .
      .
```

Function -

```
      FUNCTION SOM (A,B,M)
      IMPLICIT - - -
      IF (A.LE.B) GO TO 1Ø
```

```
      C = A
      A = B
      B = C
1Ø    .
      .
      .
```

The result of the call to SOM from the main program will exchange the actual values of the constants 2.Ø and 3.Ø. And thereafter 2.Ø will have a 'value' of 3 and 3.Ø will have a 'value' of 2.